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10/749,861	12/31/2003	Stratton C. Lloyd	OIC0118US	6302

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EXAMINER
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ART UNIT	PAPER NUMBER
2173	

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11/06/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/749,861	LLOYD ET AL.
Office Action Summary	Examiner	Art Unit	
	HAOSHIAN SHIH	2173	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>29 July 2009</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-5,8-13,16,22 and 23</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-5,8-13,16,22 and 23</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   Claims 1-5, 8-13, 16 and 22-23 are pending in this application and have been
examined in response to application amendment filed on 07/29/2009.

2.   Claim 25 is canceled.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all
obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

4.   **Claims 1-5, 8-13, 16 and 22-23 are rejected under 35 U.S.C. 103(a) as being
unpatentable over Hind et al. (Hind, US 7,346,843 B2) in view of Datta (US
2004/0128618 A1) and in further view of Fliess et al. (Fliess, US 7,168,045 B2) .**

5.   As to **INDEPENDENT** claim 1, Hind discloses a method in a computer system for
generating a display page, the method comprising: receiving a request to generate a
display page, wherein the display page comprises realtime information and non-realtime
information (col.3, lines 64- col.4, lines 5; contents that are available immediately are
considered as realtime information, and contents that are delayed are considered as
non-realtime information);

the realtime information comprises information displayable without further computation (col.3, lines 66-col.4, lines 1);

retrieving the realtime information to be included on the requested display page (col.3, lines 65-67; realtime information is displayed first);

if a previously cached version of the non-realtime information is available, generating the requested display page comprising the retrieved realtime information and the previously cached non-realtime information (col.7, lines 63-67; previously cached contents are fetched to reduce unnecessary page generation wait time) ; and

if a previously cached version of the non-realtime information is not available, generating the requested display page comprising the retrieved realtime information and an indication that the non-realtime information is not yet ready for display, wherein the indication that the non- realtime information is not yet ready for display is provided in a location in which the non-realtime information is to be displayed (fig.3a, "320", fig.3b "350"; col.5, lines 15-22, lines 35-41; a placeholder message is displayed to indicate that the non-realtime information is not ready),

requesting generation of the non-realtime information (col.5, lines 25-26; a request for the non-realtime information is sent at a pre-determined time interval),

and

generating the requested display page comprising the retrieved realtime information and the non-realtime information in response to a subsequent request for the requested display page (col.5, lines 25-30; the complete page is generated).

Hind does not specifically disclose caching the generated non-realtime information; the realtime information comprises information retrieved from a database, and the non-realtime information comprises information requiring computation to generate the non-realtime information prior to display; and drilling down to view underlying information used to generate a selected portion of the display page, in response to a request selecting the selected portion of the display page, wherein said drilling down comprises retrieving the underlying information used to generate the selected portion of the display page, and presenting the underlying information by virtue of one of regenerating the display page comprising the realtime information, the non-realtime information and the underlying information, and generating a new display page comprising the underlying display information.

In the same field of endeavor, Datta discloses caching the generated [content] information (fig.9, "904", "912", "906", "908"; if a previously cached content element is not available, generate the content element and store it in a component cache).

It would have been obvious to one of ordinary skill in the art, having the teaching of Hind and Datta before him at the time the invention was made, to modify the incremental content generation/display taught by Hind to include web content caching taught by Datta with the motivation being to further improve web content delivery speed (Datta, [0002]). Hind and Datta do not specify the realtime information comprises information

retrieved from a database, and the non-realtime information comprises information

requiring computation to generate the non-realtime information prior to display;

In the same field of endeavor, Fliess discloses the realtime information comprises

information retrieved from a database (col.5, lines 18-22), and the non-realtime

information comprises information requiring computation to generate the non-realtime

information prior to display (fig.7; col.7, lines 42-48, lines 51-55; non-realtime

information are generated via a reporting and analysis module); and drilling down to

view underlying information used to generate a selected portion of the display page, in

response to a request selecting the selected portion of the display page (fig.8, "810";

col.9, lines 10-20; a user clicks on the object "810"), wherein said drilling down

comprises retrieving the underlying information used to generate the selected portion of

the display page(fig.8, "820"; col.9, lines 10-20; underlying information for object "810" is

retrieved), and

        presenting the underlying information by virtue of one of regenerating the display

page comprising the realtime information, the non-realtime information and the

underlying information, and generating a new display page comprising the underlying

display information (fig.8, "810", "820"; col.9, lines 10-20; the selected detail for object

"810" is generated and displayed).

It would have been obvious to one of ordinary skill in the art, having the teaching of Hind

and Datta and the teaching of Fliess before him at the time the invention was made, to

modify the low-latency incremental portal aggregation taught by Hind and Datta to

include business object modeling taught by Fliess with the motivation being to provide

at least some of the portal page content in a very quick response while waiting for more

calculation intensive business object models (Hind, col.5, lines 30-35; Fliess, col.2, lines

24-30).

6.   As to claim 2, Hind discloses a link for requesting the display page (col.7, lines

20-25).

7.   As to claim 3, Hind discloses the request to generate the display page is received

from a user (col.3, lines 64-65).

8.   As to claim 4, Fliess discloses the request to generate the display page is

received when a user logs on to one of the computer system and a client coupled to the

computer system (fig.7, "700"; col.8, lines 4-6).

9.   As to claim 5, Fliess discloses the display page is a homepage (col.5, lines 54-

57; the "web portal" provides an entry point for the user interface).

10.   As to claim 8, Fliess discloses the generated information includes a graphical

representation of information (col.1, lines 24-25; fig.1, "110"; business information are

represented as different graphic objects).

11.   As to **INDEPENDENT** claim 9, see rationale addressed in the rejection of claim 1
above.

12.   As to claim 10, claim 10 incorporates substantially similar subject matter as
claimed in claim 2, and is rejected under the same rationale.

13.   As to claim 11, claim 11 incorporates substantially similar subject matter as
claimed in claim 3, and is rejected under the same rationale.

14.   As to claim 12, claim 12 incorporates substantially similar subject matter as
claimed in claim 4, and is rejected under the same rationale.

15.   As to claim 13, claim 13 incorporates substantially similar subject matter as
claimed in claim 5, and is rejected under the same rationale.

16.   As to claim 16, claim 16 incorporates substantially similar subject matter as
claimed in claim 8, and is rejected under the same rationale.

17.   As to claim 22, see rational addressed in the rejection of claim 1 above. Further,

refreshing a display screen for the purpose of updating the status of a currently

displayed web page is notoriously well known in the art.

18.   As to claim 23, see rationale addressed in the rejection of claim 1 above.

Response to Arguments

19.   Applicant's arguments filed 07/29/2009 have been fully considered but they are

not persuasive.

Applicant argues that Fliess does not disclose a drill down operation is performed to

view underlying information used to generate a selected portion of the display page and

presenting the underlying information by either regenerating the display page ore

generating a new display page.

In response to applicant's argument, Fliess discloses a user selects an object

Plavix "810" to view the underlying detail information for the object Plavix "810", upon

selection detailed information "820" is generated and displayed (fig.8, col.9, lines 10-

20).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to HAOSHIAN SHIH whose telephone number is (571)270-

1257. The examiner can normally be reached on m-f 0730-1700.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kieu Vu can be reached on (571) 272-4057. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HSS

/Kieu Vu/
Supervisory Patent Examiner, Art Unit 2173